GCCS/DII COE System Integration Support

DII COE Segment System
Version Description (for IRCS Version
1.0.0.3/2.8.21 for HP-UX 10.20)

June 13, 1997

Prepared for:

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Defense Information Infrastructure (DII)

Common Operating Environment (COE)

**Segment System Version
Description for Internet Relay
Chat Server (IRCS) Version
1.0.0.3/2.8.21 (HP-UX 10.20)**

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Preface

The following conventions are used in this document:

Bold	Used for information that is typed, pressed, or selected in executables and instructions. For example, select **connect to host**.
Italics	Used for file names, directories, scripts, commands, user IDs, document names, and Bibliography references; and any unusual computerese the first time it is used in text.
<u>Underline</u>	Used for emphasis.
Arrows <>	Used to identify keys on the keyboard. For example <Return>.
"Quotation Marks"	Used to identify informal, computer-generated queries and reports, or coined names; and to clarify a term when it appears for the first time. For example "Data-Generation Report."
`Courier Font`	Used to denote anything as it appears on the screen or command lines. For example `tar xvf dev/rmt/3mm`.
Capitalization	Used to identify keys, screen icons, screen buttons, field, and menu names.

1. System Version Description (SVD) for IRCS

This document provides a System Version Description for the Internet Relay Chat Server (IRCS) segment for the Defense Information Infrastructure (DII) on HP-based machines.

1.1   Scope

1.1.1   Identification

This section contains identification information for the IRCS segment:

Segment Name:	Internet Relay Chat Server
Segment Type:	Software
Prefix:	IRCS
Home Directory:	*/h/COE/Comp/IRCS*
Distribution Type:	This software requires no licenses
Version Number:	1.0.0.3/2.8.21
Platform:	HP (UNIX) Workstation/HP-UX 10.20.

1.2   System Overview

This section contains system overview information for the IRCS segment:

Purpose: An IRC server application is an on-line Internet/Secret Internet Protocol Router Network (SIPRNET) conferencing application which "serves" messages and commands to IRC client applications, allowing messages entered by users via client applications to be viewed by other users within seconds using similar client applications.

Usage: Provides similar capabilities as the "Comm" portion of WIN Teleconferencing and may be used to provide real-time, conferencing capabilities over the SIPRNET to the warfighter.

References: Reference documentation: See related documents which can be found in the */man* sub-directory of this segment.

1.3   Product Information

This section contains product information for the IRCS segment:

Product Qualification: The IRCS software product has been approved for release by the DII Engineering Office.

Product Restrictions: The products contained in the IRCS segment are considered "freeware" and therefore do not require usage licenses. The software contained in this segment can be re-distributed or modified according to the terms of the GNU General Public License as published by the Free Software Foundation which can be found in the */lib* sub-directory of this segment.

Product Dependencies: None.

2.   Referenced Documents

DII COE Segment Installation Procedures (IP) - Internet Relay Chat Server (IRCS) delivered with V1.0.0.3/2.8.21 of this segment.

3.   Version Description

3.1   Inventory of Materials Released

Magnetic media: Two 4mm tapes each consisting of a tar of the IRCS segment, V1.0.0.3/2.8.21 (HP-UX 10.20) for DII.

Floppy Diskette: One 3.5 inch floppy diskette containing an electronic copy of the SVD, Installation Procedures Manual, and Delivery Letter for this segment.

Documentation: Hard copy of the SVD, Installation Procedures Manual, and Delivery Letter for this segment.

3.2   Inventory of Software Contents

This segment contains the IRCS software distribution, V2.8.21 and its associated library and executable support files. This product is freeware and, therefore, does not require a usage license. See Appendix A for a detailed list of files that make up this segment.

3.3   Changes Installed

This section contains information pertaining to changes, enhancements, and fixes which have been incorporated into this version of the IRCS segment:

- C   Added/modified code to create (installation) and remove (de-installation) a boot-script based HP-UX 10.20 specifications.

- C   Added boot-script template file to the *IRCS/skel* sub-directory.

3.4   Waivers

The following documents have been officially waived by the DII COE Engineering Office for IRCS V1.0.0.3/2.8.21:

- C   *DII COE Segment System User's Manual (SUM) - Internet Relay Chat Server (IRCS)* - Justification: This server software contained in this segment does not require any function to be performed by the users of this service.

- C   *DII COE Segment Software Requirements Specification (SRS) - Internet Relay Chat Server (IRCS)* - Justification: Commercial off-the-shelf (COTS) software does not require SRS documentation.

3.5   Adaptation Data

No site-specific data is contained in this release of the IRCS segment.

3.6   Installation Instructions

If you are installing this segment for the first time, refer to the *DII COE Segment Installation Procedures (IP) - Internet Relay Chat Server (IRCS)* document that was delivered with V1.0.0.3/2.8.21 of this segment.

However, if you are re-installing this segment, please refer to Section 3.6.1.

3.6.1   Re-Installation Instructions

If you are re-installing this segment in order to replace an older version of the Internet Relay Chat Server and, if you wish to save the older IRC server configuration, perform the following steps:

Step 1:   Before de-installing the older version of the IRCS segment, copy the */h/COE/Comp/IRCS/lib/ircd/ircd.conf* file to a temporary location. Also, make note of your IRC server's current server type (i.e., a "leaf" or "hub").

Step 2:   De-install the older IRCS segment.

Step 3:   Install V1.0.0.3/2.8.21 of the IRCS segment (refer to the *DII COE Segment Installation Procedures (IP) - Internet Relay Chat Server (IRCS)* document that was delivered with V1.0.0.3/2.8.21 of this segment). Then, specify whether your server is a "leaf" or a "hub". Be sure to specify default values when prompted. Leave text entry fields "blank", and reply "no" when asked to specify IRC operators and neighbors.

NOTE:	Your server type specification must match that of your server's previous configuration.

Step 4: Copy the *ircd.conf* file saved in your temporary location back into the */h/COE/Comp/IRCS/lib/ircd* sub-directory.

Step 5: Lastly, re-start your IRC server by executing the following commands:

> **/h/COE/Comp/IRCS/lib/stop** (to shut-down the server)
> **/h/COE/Comp/IRCS/lib/start** (to start-up the server).

Your previous IRC server's configuration has now been restored.

3.7 Possible Problems and Known Errors

None.

4. Notes

None.

A. Appendix

Software Listing for the IRCS segment, V1.0.0.3/2.8.21 (HP-UX 10.20):

```
IRCS/SegDescrip:
DEINSTALL
Installed
PostInstall
ReleaseNotes
SegInfo
SegName
VERSION
Validated
install_routines

IRCS/SegDescrip/install routines:
DEINSTALL.IRCS
PostInstall.Admin
PostInstall.Class
PostInstall.Complete
PostInstall.Intro
PostInstall.Neighbors
PostInstall.Oper
PostInstall.Required
PostInstall.ServerName
PostInstall.ServerType
```

```
IRCS/bin:
IRCS_Clients
IRCS_Neighbors
IRCS_config
IRCS_ircd
IRCS_verify

IRCS/cfg:
IRC

IRCS/cfg/IRC:
ServerType
domainname
machine
server
server.IP

IRCS/data:
Menus

IRCS/data/Menus:
IRCSMenu

IRCS/hlp:
admin.1.hlp
admin.2.hlp
neighbors.1.hlp
neighbors.2a.hlp
neighbors.2b.hlp
neighbors.3a.hlp
neighbors.3b.hlp
oper.1.hlp
oper.2.hlp
oper.3.hlp
servername.1.hlp
servername.2.hlp

IRCS/install_utilities:
COEServices_fnxns.ksh
OS_fnxns.ksh
OS_fnxns.ksh.orig
PostInstall_Xcaller.ksh
PostInstall_fnxns.ksh
PostInstall_msg.ksh
dns_machine_alias.ksh
getDNSdomain

IRCS/lib:
LICENSE
ircd
start
```

```
stop

IRCS/lib/ircd:
encrypt
example.conf
ircd.conf
ircd.hub
ircd.leaf
ircd.motd
ircd.pid
mkpasswd

IRCS/man:
Admin
Manual
Networking
Operators
man8

IRCS/man/man8:
ircd.8

IRCS/skel:
S99.start-ircd
example.conf
start
stop

IRCS/src:
irc2.8.21.tar.Z
```